Applied Energy **28** (1987) 321–322

CONTENTS OF VOLUME 28

Number 1

Negative Ions in the Atmosphere: Possible Beneficial Effects? 1
R. LIPS, S. D. PROBERT and L. DALY (Great Britain)

Comparison of Zero Testing with Conventional Testing for Flat-Plate Air-Heating Solar Collectors 11
TADJ ORESZCZYN and BARRIE W. JONES (Great Britain)

Effects of Evaporator Frosting and Defrosting on the Performance of Air-to-Water Heat Pumps 19
S. A. TASSOU and C. J. MARQUAND (Great Britain)

Thermodynamic Analysis Applied to a Food-Processing Plant 35
J. C. HO and T. T. CHANDRATILLEKE (Singapore)

Determination of the Optimum Pond Temperature for Maximizing Power Production of a Convecting Solar Pond Thermal-Energy Conversion System . 47
K. KAMIUTO (Japan)

Vertical-Axis Wind-Turbine: A Modified Design 59
S. A. TABASSUM and S. D. PROBERT (Great Britain)

Thermodynamic Design Data for Absorption Heat-Pump Systems Operating on Water–Calcium Chloride 69
M. A. R. EISA, R. BEST and F. A. HOLLAND (Great Britain)

Number 2

Intermittent Exposures to Enhanced Air-Ion Concentrations for Improved Comfort and Increased Productivity? 83
R. LIPS, H. T. SALAWU, P. KEMBER and S. D. PROBERT (Great Britain)

Passive Solar Light-ducts 95
J. J. ELIÇABE URRIOL, M. A. LARA and R. D. PIACENTINI (Argentina)

Transportation of Powders Using a Linear Motor Device 107
D. K. GUPTA, L. HOBSON and P. J. LLOYD (Great Britain)

Applied Energy (**28**) (1987)—© Elsevier Applied Science Publishers Ltd, England, 1987. Printed in Great Britain

Convective Heat Transfers within Air Spaces of Compound Parabolic Concentrating Solar-energy Collectors 123
D. E. PRAPAS, B. NORTON, P. E. MELIDIS and S. D. PROBERT (Great Britain)

Convective Heat-transfer Coefficients: The Colour-change Paint Technique . 137
K. JAMBUNATHAN, R. J. EDWARDS and B. L. BUTTON (Great Britain)

Technical Note
Effectiveness of Solar Water-heating Systems 153
P. GANDHIDASAN (West Indies)

Book Review 161

Number 3

Performance Analysis of the Stationary-reflector/Tracking-absorber Solar Collector 163
M. F. EL-REFAIE (Egypt)

Solar Pond Design for Arabian Gulf Conditions 191
M. A. HASSAB, I. A. TAG, I. A. JASSIM and F. Y. AL-JUBURI (State of Qatar)

UK Governments' Energy Policies 215
S. D. PROBERT (Great Britain)

Technical Note
The Seven S Approach to Energy Management 235
S. D. FAWKES (Great Britain)

Number 4

Performance Measures of the Axicon Solar Fluid Heater 243
M. F. EL-REFAIE (Egypt)

Thermal Design of District-Heating Distribution Networks 269
A. J. NEALE, R. F. BABUS'HAQ, S. D. PROBERT and M. J. SHILSTON (Great Britain)

A Statistical Approach to the Determination of Energy Savings in a Solar-Assisted Water-Heating System 283
R. G. PONTIN and I. THOMSON (Great Britain)

Natural-Convection Characteristics of a Horizontally-Based Vertical Rectangular Fin-Array in the Presence of a Shroud 295
S. NAIK, S. D. PROBERT and C. I. WOOD (Great Britain)